rket No.: M4065.0593/P593 Micron Ref.: 02-0380

## ABSTRACT

This invention relates to MRAM technology and new MRAM memory element designs. Specifically, this invention relates to the use of ferromagnetic layers of different sizes in an MRAM element. This reduces magnetic coupling between a pinned layer and a sense layer and provides a more effective memory element. In addition, the design of the present invention reduces the instances of electrical shorts occurring between the ferromagnetic layers in an MRAM element